

Summary of ICCR Source Work Group Teleconference, August 28, 1998 Internal Combustion Engines Work Group Meeting

Decisions/Discussion

- The status of the work products was reviewed. It was decided that the Rich Burn, P2 and Emissions Database White Papers would remain *Closure Items*, while the rest of the items would be *Works in Progress*, including Digester and Landfill Above-the-Floor MACT, Catalyst Control Costs, New Source MACT, and Definitions. Amanda Agnew will forward this list of items to be posted on the TTN by 8/31/98.

Rich Burn Engine Definition

- If the definition of rich burn is altered from that used to determine the population of controlled rich burn engines in the Population Database, then the Population Database will need to be reanalyzed. However, this would be a difficult task, since there is no data to determine exhaust oxygen content or air to fuel ratio in the Population Database.
- According to some catalyst vendors, one percent or less oxygen is required for the use of NSCR only for the reduction of NO_x; CO and HC will still be controlled at higher levels of oxygen. This also implies that NSCR may be applicable to lean burn engines, for HAP reduction. Sam Clowney believes this may work on a temporary basis, but that the catalyst will be spent within 3 weeks.
- Sam Clowney suggested that the WG reach consensus on a definition for “rich burn” based on excess oxygen, rather than lambda. One advantage of this method is its ease of measurement. Other WG members argued that the use of lambda prevents “gaming” the regulation, since it correlates to the manufacturer’s air to fuel ratio.
- Many other minor changes were made to the draft Rich Burn Engine Definition White Paper.
- Closure was not reached on the definition for “rich burn engine.” The WG decided to compile all additional comments raised and resume the discussion during the September 1 Meeting.

Emissions Database White Paper

- Many minor changes were made to the draft Emissions Database White Paper.
- It was decided that Dr. Woodworth’s statistical analysis paper would be submitted to the docket as a public comment, but not included in the Emissions Database White Paper, since it is not a consensus item nor a product of the WG
- Closure was reached on the Emissions Database White Paper, with the premise that the discussed changes would be made to the draft.

Model Engines and Control Costs

- It was decided that this would be put together by Alpha-Gamma, and discussed during the September 1 Meeting.

Remaining Works in Progress

- The following topics were deferred to the meeting on Tuesday September 1, due to WG

members' lack of time to review the submitted papers:

Pollution Prevention (P2) for RICE

New Source MACT

Digester/Landfill Gas Above the Floor MACT

Definitions

Next Meeting

- The next meeting will be held on September 1, 1998 at the Days Inn in Research Triangle Park, North Carolina. The meeting will begin at 8 a.m. The cost of the hotel is \$76, and reservations can be made by calling 919-469-8688. There will be a working lunch. This meeting will replace the September 15 meeting.
- The agenda will include all works in progress and all items for closure. It is the intention of the WG to reach consensus on these papers by this meeting.

Action Items

- Linda Coerr: Revise the "Rich Burn Engine" Definition White Paper and provide copies for the WG for their review at the Tuesday September 1 meeting.
- Alpha-Gamma: Draft the Catalyst Control Cost Work in Progress and provide copies for the WG for their review at the September 1 meeting.
- Mike Horowitz: Revise the definition of "stationary engine" based on "non-road engine" definition in 40 CFR 89.2.